

Title (en)
POWERTRAIN FOR MOTOR VEHICLE

Title (de)
ANTRIEBSSTRANG FÜR KRAFTFAHRZEUG

Title (fr)
GROUPE MOTOPROPULSEUR DE VEHICULE

Publication
EP 1494887 A1 20050112 (EN)

Application
EP 03710583 A 20030326

Priority
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• SE 0201036 A 20020404

Abstract (en)
[origin: WO03084776A1] Powertrain (1, 3, 9) for motor vehicles, comprising an internal combustion engine (1) and a stagegeared gearbox (9), which has a direct gear and an indirect gear with intermeshing toothed gears (12, 15, 16, 17, 18, 19, 20, 21, 22, 23). A control element (45, 48) is designed, in response to an input signal indicating that a direct gear is engaged, to be capable of controlling and/or regulating the engine (1) so that the engine can deliver a higher maximum permitted torque than when the direct gear is not engaged. The increase in the maximum permitted torque is allowed only if the efficiency of the powertrain (1, 3, 9) with direct gear engaged and increased engine torque is superior to the efficiency of the powertrain (1, 3, 9) when any of the indirect gears (12, 15, 16, 17, 18, 19, 20, 21, 22, 23), having a lower maximum permitted engine output torque are engaged.

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CPC (source: EP US)
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Citation (search report)
See references of WO 03084776A1

Cited by
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